

## PATENT ABSTRACTS OF JAPAN

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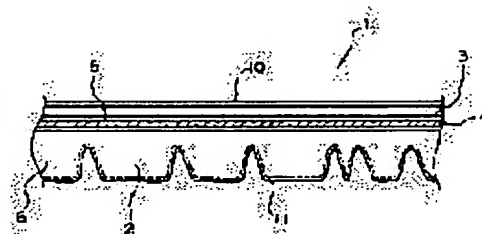
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## (54) POWER TRANSMISSION BELT

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a noise reduced power transmission belt with cogs arranged completely random.

**SOLUTION:** In a power transmission belt 1, a cogged part is placed in at least one side of a rubber layer composed of a compressed rubber layer 2 and an expanded rubber layer 3, and a core wire 4 is buried in an adhesive rubber layer 5, a cog 6 of the cogged part is placed randomly in at least three types of pitch intervals in the longitudinal direction. The compressed rubber layer 2 and expanded rubber layer 3 are composed of materials such as natural rubber, styrene-butadiene rubber, chloroprene rubber, alkylated chlorosulfonated polyethylene, hydrogenated nitrile rubber, and mixed polymer composed of hydrogenated nitrile rubber and metallic salt of unsaturated carboxylic acid, used individually, or in the mixture of these, for example, a para series aramid fiber is mixed individually, or the para series aramid fiber is mixed with short fibers such as nylon, polyester, vinylon, cotton, and meta-series aramid fiber, and oriented in the belt width direction.



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